

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10810928
Filing Date	2004-03-25
First Named Inventor	MORSE, Dwain E.
Art Unit	1723
Examiner Name	REIFSNYDER, David A
Attorney Docket Number	17001-7

**U.S. PATENTS**

Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
DR	1	2220574		1940-11-05	LITTLE, J. S.	
DR	2	2360811		1944-10-17	KELLY, Earl M. et al	
DR	3	2746605		1956-05-22	BAUM, Robert A.	
DR	4	2759607		1956-08-21	BOYD, Thomas F. G.	
DR	5	2765919		1956-10-09	JUELL, Fredrik	
DR	6	2779731		1956-01-29	KELLY, Earl M.	
DR	7	2876863		1959-03-10	KIVARI, Arthur M.	
DR	8	2994432		1961-08-01	SCHLUTER, John W.	

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DR	9	3179252		1965-04-20	VRABLIK, Edward R.	
DR	10	3446488		1969-05-27	MAIL, Isaac Paul et al.	
DR	11	3542675		1970-11-24	MAIL, Isaac Paul et al.	
DR	12	3977970		2006-08-31	WILLIS, Rodereck M. et al.	
DR	13	3986954		1976-10-19	GEORGE, Albert L.	
DR	14	4193869		1980-03-18	BRUCKER, Milton	
DR	15	4237008		1980-12-02	COLMAN, Derek A.	
DR	16	4340487		1982-07-20	LYON, Michael R.	
DR	17	4790944		1998-12-13	GORDON, Iain C.	
DR	18	4933094		1990-06-12	KALNINS, Charles M.	
DR	19	5516433		1996-05-14	SUUTARINEN, Oiva	

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DR	20	6562240		2003-05-13	NEVILLE, Clark	
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**U.S. PATENT APPLICATION PUBLICATIONS**

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**FOREIGN PATENT DOCUMENTS**

Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup>	Kind Code <sup>4</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
DR	1	1444027	GB		1976-07-28	HYDE et al.		<input type="checkbox"/>
DR	2	07-303882	JP		1995-11-21			<input type="checkbox"/>
DR	3	08-132020	JP		1996-05-28			<input type="checkbox"/>
DR	4	798048	SU		1981-01-23			<input type="checkbox"/>
DR	5	99/11352	WO		1999-03-11	CLARKE, Neville		<input type="checkbox"/>

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DR	6	00/07687	WO		2000-02-17	DANIELS, Ian	<input type="checkbox"/>
DR	7	01/51164	WO		2001-07-19	MORSE, Dwaine	<input type="checkbox"/>

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**NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>5</sup>
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Examiner Signature	/David Reifsnyder/	Date Considered	09/23/2006
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**Complete if Known**

Application Number	
Filing Date	Concurrently
First Named Inventor	Dwain E. Morse
Art Unit	
Examiner Name	
Attorney Docket Number	MARVIN-44115

Sheet 1 of 2**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
DR		US- 4,022,696	05-10-1977	Krofta	
DR		US- 5,538,631	07-23-1996	Yeh	
DR		US- 4,279,743	07-21-1981	Miller	
DR		US- 4,838,434	06-13-1989	Miller	
DR		US- 4,997,549	03-05-1991	Atwood	
DR		US- 6,106,711	08-22-2000	Morse	
DR		US- 6,171,488	01-09-2001	Morse	
DR		US- 4,339,027	07-1982	Lauer	
DR		US- 4,397,741	08-1983	Miller	
DR		US- 4,744,890	05-1988	Miller	
DR		US- 5,139,663	08-1992	Maples	
DR		US- 5,151,177	09-1992	Roshanravan et al.	
DR		US- 5,160,610	11-1992	O'Reilly	
DR		US- 5,199,684	04-1993	Maples	
DR		US- 5,224,604	07-1993	Duczmal et al.	
DR		US- 5,275,732	01-1994	Wang et al.	
DR		US- 5,382,358	01-1995	Yeh	
DR		US- 5,492,630	02-1996	Roshanraven et al.	
DR		US- 5,529,190	06-1996	Calton et al.	

**FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
DR		2073637	10-1971			
DR		2525550	12-1976			
DR		4136935	05-1993			
DR		2000054	06-1977			
DR		2035150	06-1978			
DR		2116457	03-1983			

Examiner  
Signature

/David Reifsnnyder/

Date  
Considered

09/23/2006

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Sheet 2 of 2**Complete if Known**

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		Number-Kind Code <sup>2</sup> (if known)			
DR		US- 5,529,701	06-1996	Grisham et al.	
DR		US- 5,531,904	07-1996	Grisham et al.	
DR		US- 5,662,790	09-1997	Carlton et al.	
DR		US- 4,067,813	01-1978	Pielkenrood	
DR		US- 4,377,485	03-1983	Krofta	
DR		US- 5,120,435	06-1992	Fink	
DR		US- 5,160,611	11-1992	Krofta	
DR		US- 2,360,811	10-1944	Kelly et al.	
DR		US- 3,917,526	11-1975	Jenning	
DR		US- 5,514,2882	05-1996	Hibbard et al.	
DR		US- 5,591,348	01-1997	Felder et al.	
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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
DR		WO 91/15302	10-1991			
DR		WO 94/17920	08-1994			
DR		WO 97/20775	06-1997			
DR		919999	04-1982			
DR		1555293	04-1990			
DR		96/12678	05-1996			

Examiner Signature	/David Reifsnnyder/	Date Considered	09/23/2006
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